Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of claims, in the application.

Listing of Claims

1. (original) A method for monitoring system processor usage time by a software agent operating in a computer system, said method comprising the steps of:

identifying said agent by associating an agent identifier therewith;

initiating an agent lifetime timer for monitoring an operating interval for said agent;

determining said operating interval using said lifetime timer; and

storing said operating interval and said agent identifier in a computer-readable memory.

2. (original) The method of claim 1, wherein said computer-readable memory includes a hash table.

3. (original) The method of claim 1 wherein determining said operating interval further comprises identifying a start time and a completion time for said agent.

4. (original) The method of claim 3 wherein determining said operating interval further comprises computing an elapsed time as the difference between said starting time and said completion time for said agent.

5. (original) The method of claim 1 further comprising:

associating said operating interval and said agent identifier with other operating intervals and agent identifiers associated with a plurality of other software agents operating in said system.

6. (original) The method of claim 5 further comprising:

filtering said agent and said plurality of other agents according to predefined filtering criteria to produce a filtered set.

7.   (original) The method of claim 6 further comprising:
        rank ordering said filtered set.

8.   (original) The method of claim 7 further comprising:
        making said filtered set available to a display device.

9.   (original) The method of claim 6 further comprising:
        determining a corrective measure for at least one member of said filtered set.

10.   (original) The method of claim 9 further comprising:
        displaying said corrective measure on a display device.

11.   (original) The method of claim 9, wherein said corrective measure is implemented by said system.

12.   (original) A computer readable medium having store instructions for causing a processing unit to execute the steps of the method of claim 1.

13.   (original) A method for monitoring system processor time usage by a software agent having a thread associated therewith, said thread having a thread lifetime and said agent having an agent lifetime, said method comprising the steps of:
        associating an agent identifier with said agent;
        initiating an agent lifetime timer for monitoring said agent lifetime;
        determining system processor resource allocations associated with said agent, said resource allocations defining a footprint for said agent comprising:
        an amount of system processor resources utilized by said thread during said thread lifetime; and

an amount of system processor resources utilized by said agent during said

agent lifetime;

associating said footprint with said agent identifier;

storing said footprint and said agent identifier in a computer-readable memory;

comparing said footprint of said agent to a plurality of footprints associated with a

like plurality of other software agents;

ranking said footprint of said agent against said plurality of footprints; and

displaying those of said agent footprint and said plurality of footprints exceeding a

predefined threshold.

14̲3̶.   (currently amended) The method of claim 13̲2̶ further comprising:

establishing a system processor resources configuration threshold defining

a maximum amount of system processor resources to be utilized by each of said

software agent and said plurality of other software agents.

15̲4̶.   (currently amended) The method of claim 13, further comprising:

running a collection probe to determine if a total amount of consumed

system processor resources exceeds said configuration threshold; and

performing said initiating step when said total amount of consumed system

processor resources exceeds said configuration threshold.

16̲5̶.   (currently amended) A computer program product having machine-readable

instructions disposed thereon for instructing a processor to perform a method for

monitoring system processor time for a software agent operating in a computer

system, said computer program product comprising:

instructions for initiating an agent lifetime timer for monitoring an

operating interval associated with said agent;

instructions for determining system processor resource allocations

associated with said agent;

instructions for storing said operating interval and said resource allocations

associated with said agent; and

instructions for notifying a system operator about said operating interval
and said resource allocations.

1<u>7</u>6.   (currently amended) The method of claim 1~~5~~<u>6</u> further comprising:

instructions for associating a software agent identifier with said agent, said
identifier for facilitating tracking said system processor time associated with said
agent.

1<u>8</u>~~7~~.   (currently amended) The method of claim 1<u>7</u>6 further comprising:

instructions for associating said software agent identifier with said
operating interval and said resource allocations prior to storing said operating
interval and said resource allocations associated with said agent.

1<u>9</u>~~8~~.   (currently amended) An apparatus for tracking system processor time of a software
agent operating in a computer system comprising:

means for identifying said agent by associating an agent identifier
therewith;

means for initiating an agent lifetime timer for monitoring an operating
interval of said agent;

means for determining said operating interval using said lifetime timer; and
means for storing said operating interval and said agent identifier in a computer-
readable memory having a hash table associated therewith.

<u>20</u>~~19~~.   (currently amended) A method for tracking system processor time for a target
agent operatively associated with a hypertext transport protocol process operating
on a computer system and running a plurality of threads, said target agent further
operating with at least one of said plurality of threads, said method comprising:
creating a computer-readable hash table in a memory operatively associated with
said computer system;

initiating an agent tracking function in machine-executable code in said
computer system;

identifying members of said plurality of threads by associating a thread identifier with each member of said plurality of threads producing a like plurality of identified threads;

identifying those of said plurality of identified threads having said target agent operating therewith producing an identified thread set; ·

determining an amount of said system processor time utilized by said identified thread set; and

storing said system processor time for said identified thread set in said hash table, thereby tracking said system processor time for said target agent.

21̲0̶.   (currently amended) The method of claim 20̲1̶9̶ further comprising:

computing statistics for said identified thread set.

22̲1̶.   (currently amended) The method of claim 20̲1̶9̶ further comprising:

rank ordering those of said plurality of identified threads having said target agent operating therewith.

23̲2̶.   (currently amended) The method of claim 22̲1̶ further comprising:

providing said identified set to a display device.